



CDF Operations Report

Rob Harr

April 5, 2004

All Experimenters Meeting



This Week's Stores

Date	Store	Inst Lum (initial)	Delivered Lum [nb ⁻¹]	Lum to tape nb ⁻¹ (ε)	Comment
Mo 3/29	3328	43.1e30	1422	1039 (73%)	Abort after quad PS trip
Tu 3/30	3335	51.4e30	2173	1584 (73%)	P loss, TRF8 trip, trig tests, TeV studies
We 3/31	3337	55.5e30	1716	1477 (86%)	Kicker prefire, quench
Fr 4/2	3341	40.8e30	650	590 (91%)	Quench
Sa 4/3	3348	51.4e30	2199	1674 (76%)	P loss, COT †
Mo 4/5	3359				Underway, COT †
Total			8160	6364 (78%)	



COT Status

- Samples from the two wire planes that were removed during the shutdown were sent out for analysis.
 - Initial report: found hydrocarbon on the wires, up to 300nm thick
- After shutdown the COT was run at nominal HV for a week.
 - Aging seen at the same rate as before.
- We are now running the COT in a protective state until the gas recirculation system is operational.
 - SL 1, 2, 3 off, SL 4, 5 at 50% gain.
 - Recirculation system is a two of weeks away.



Three Quenches

- Silicon integrated radiation doses:
 - Thursday: 170 rads
 - Friday: 180 rads
 - Sunday: small (before squeeze)
 - For comparison, the Dec. 20 A0 power incident gave 140 rads
- Several ladders suffered but were recovered. None were totally lost.
- We're still assessing the performance degradation.



Access Work

■ Roman pots:

- Movement of the pots has been checked
- One LVDT (position sensor) replaced on Thursday
- Functioning of hard stops needs to be verified
- Sign off from AD

■ HV problem in CMX “miniskirt” was repaired

■ Silicon checkout during quiet time



Summary

- We're getting back to pre-shutdown efficiency.
- We put the COT in a protective state while the wires removed during the shutdown are analyzed, and the gas recirculation system is prepared.